

# **Knobbe Martens Olson & Bear LLP**

*Intellectual Property Law*

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415-217-3512  
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October 2, 2008

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Title: USE OF ANTIBODIES AGAINST THE MUC18 ANTIGEN  
Letters Patent No. 7,090,844  
Issued: August 15, 2006  
Our Reference: ABGENIX.030C1


Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

As the errors cited in the Certificate of Correction were incurred through the fault of the Patent Office, no fee is believed to be required. However, please charge our Deposit Account No. 11-1410 for any fees that may be incurred with this request.

Respectfully submitted,

Knobbe, Martens, Olson & Bear, LLP



Susan L. Wang  
Registration No. 53,742  
Customer No. 20,995

Enclosures

5476859  
060508

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

**PATENT NO.** : 7,090,844  
**APPLICATION NO.** : 10/660,357  
**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 1 of 29

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the first page, Col. 1 (Assignee), line 1, please delete "Fremont, CA (US)" and insert --6701 Kaiser Drive, Fremont, CA (US) 94555--, therefor.

On the first page, Col. 2 (Other Publications), line 5, please delete "Onocology," and insert --Oncology--, therefor.

On the first page, Col. 2 (Other Publications), line 8, please delete "Bio," and insert --Bio--, therefor.

On the first page, Col. 2 (Other Publications), line 17, after "Receptor-Targeted" please insert --Therapy--.

On the first page, Col. 1 (Other Publications), line 2, please delete "Long" and insert --Longo--, therefor.

On Page 2, Col. 1 (Other Publications), line 27, please delete "of" and insert --on--, therefor.

On Page 2, Col. 1 (Other Publications), line 31, please delete "ovarian" and insert --ovarian--, therefor.

On Page 2, Col. 1 (Other Publications), line 38, please delete "T-Lymphocytes," and insert --T Lymphocytes--, therefor.

On Page 2, Col. 1 (Other Publications), line 55, please delete "Spread<sup>1</sup>" and insert --Spread<sup>1</sup>--, therefor.

On Page 2, Col. 1 (Other Publications), line 62, please delete "Breat" and insert --Breast--, therefor.

On Page 2, Col. 1 (Other Publications), line 64, please delete "Trough" and insert --Through--, therefor.

On Page 2, Col. 2 (Other Publications), line 18, please delete "tratment" and insert --treatment--, therefor.

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Page 2 of 29

On Page 2, Col. 2 (Other Publications), line 32, please delete "transplant" and insert --transplant--, therefor.

On Page 2, Col. 1 (Other Publications), line 58, please delete "62:5108" and insert --62:5106--, therefor.

In Col. 1, line 39, please delete "Devel," and insert --Devel.--, therefor.

In Col. 2, line 57, please delete "MUC-18" and insert --MUC18--, therefor.

In Col. 3, line 39, please delete "MUC 18;" and insert --MUC18;--, therefor.

In Col. 7, line 40, please delete "(85)." and insert --85)--, therefor.

In Col. 7, line 52, please delete "microbiology" and insert --Microbiology--, therefor.

In Col. 8, line 14, please delete "MUC 18;" and insert --MUC18;--, therefor.

In Col. 8, line 51, please delete "lymphomma," and insert --lymphoma--, therefor.

In Col. 8, line 67, please delete "glycoproteins" and insert --glycoproteins--, therefor.

In Col. 9, line 24, please delete "Biol" and insert --Biol.--, therefor.

In Col. 9, line 25, please delete "et al." and insert --et al.--, therefor.

In Col. 9, line 44, please delete "e" and insert --e--, therefor.

In Col. 9, line 45, please delete "subuniit" and insert --subunit--, therefor.

In Col. 10, line 16, please delete "pertinacious" and insert --proteinaceous--, therefor.

In Col. 12, line 33, please delete "Carrying" and insert --Carrying--, therefor.

In Col. 13, line 22, please delete "MC11" and insert --MC.-11--, therefor.

In Col. 13, line 53-54, please delete "hydroxylapatiite" and insert --hydroxylapatite--, therefor.

In Col. 14, line 39, please delete "oncoproteiin" and insert --oncoprotein--, therefor.

In Col. 15, line 32 (approx.), please delete "et al," and insert --et al.--, therefor.

In Col. 21, lines 39-42 (approx.), please delete "Forward primer: 5'-ATATTACGAATTCAC-

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Page 3 of 29

TGCGTCTCGCCCTCCGG-3'(SEQ ID NO :83) Reverse primer: 5'-  
CAGCTTAGAGCTAGCCGGCTCTCCG-GCTCCGGCA-3'(SEQ ID NO:-14 84)"

In Col. 23, line 24, please delete "c6.12," and insert --c6.12--, therefor.

In Col. 23, line 36, please delete "(c6.11)," and insert --(c6.11)--, therefor.

In Col. 24, line 13 (approx.), please delete "400μl" and insert --400 μl--, therefor.

In Col. 24, line 27, please delete "nonmetastatic" and insert --nonmetastatic--, therefor.

In Col. 26, line 59 (approx.), please delete "pnase," and insert --phase--, therefor.

In Col. 27, line 59, please delete "anti-MUC 18" and insert --anti-MUC18--, therefor.

In Col. 28, line 44 (approx.), please delete "Matrigel- Coated" and insert --Matrigel-Coated--, therefor.

In Col. 57, please insert:

--<210> 41

<211> 97

<212> PRT

<213> Homo sapiens

<400> 41

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
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Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55				60					
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75				80	
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

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Page 4 of 29

<210> 42  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

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 20 25 30  
 Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
 35 40 45  
 Gly Tyr Ile Tyr Tyr Ser Ser Thr Asn Tyr Asn Pro Ser Leu Lys Ser  
 50 55 60  
 Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys  
 65 70 75 80  
 Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Leu Tyr Tyr Cys Ala Arg  
 85 90 95

<210> 43  
 <211> 95  
 <212> PRT  
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<400> 43  
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 20 25 30  
 Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
 35 40 45  
 Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
 50 55 60  
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

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Page 5 of 29

65	70	75	80
Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro			
85		90	95

<210> 44  
 <211> 93  
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<400> 44

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1	5	10	15
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20		25	30
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Ile Tyr			
35	40	45	
Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser			
50	55	60	
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu			
65	70	75	80
Asp Phe Ala Thr Tyr Tyr Cys Gln Ser Tyr Ser Thr Pro			
85	90		

<210> 45  
 <211> 99  
 <212> PRT  
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<400> 45

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln			
1	5	10	15
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly			
20	25	30	
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu			

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Page 6 of 29

35	40	45
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser		
50	55	60
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe		
65	70	75
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85	90	95
Cys Ala Arg		

<210> 46  
 <211> 99  
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 <213> Homo sapiens

<400> 46	<400> 46	<400> 46
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1	5	10
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20	25	30
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu		
35	40	45
Trp Ile Gly Phe Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser		
50	55	60
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe		
65	70	75
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr		
85	90	95
Cys Ala Arg		

<210> 47  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

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Page 7 of 29

<400> 47

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	
Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly	Ile	Arg	Asn	Asp
		20						25					30		
Leu	Gly	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Arg	Leu	Ile
		35					40					45			
Tyr	Ala	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55				60					
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70				75					80	
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Leu	Gln	His	Asn	Ser	Tyr	Pro	
				85					90					95	

<210> 48

<211> 95

<212> PRT

<213> Homo sapiens

<400> 48

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly
1				5					10					15	
Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala	Ser	Gln	Gly	Ile	Arg	Asn	Asp
		20						25					30		
Leu	Gly	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Arg	Leu	Ile
		35					40					45			
Tyr	Ala	Ala	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
	50					55				60					
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70				75					80	
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Leu	Gln	His	Asn	Ser	Tyr	Pro	
				85					90					95	

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Page 8 of 29

<210> 49  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 49  
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
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 20 25 30  
 Tyr Trp Ser Trp Ile Arg Gln Pro Gly Lys Gly Leu Glu Trp Ile  
 35 40 45  
 Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
 50 55 60  
 Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
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 Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
 85 90 95  
 Arg

<210> 50  
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 <212> PRT  
 <213> Homo sapiens

<400> 50  
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 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr  
 20 25 30  
 Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
 35 40 45  
 Gly Tyr Ile Tyr Tyr Ser Ser Ser Asn Tyr Asn Pro Ser Leu Lys Ser  
 50 55 60  
 Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys  
 65 70 75 80

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Page 9 of 29

Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
85 90 95

<210> 51  
<211> 95  
<212> PRT  
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<400> 51  
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20 25 30  
Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile  
35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60  
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
65 70 75 80  
Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro  
85 90 95

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<400> 52  
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20 25 30  
Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile  
35 40 45  
Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

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Page 10 of 29

50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro		
65	70	75 80
Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro		
	85	90 95

<210> 53  
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<400> 53	55	60
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr		
	20	25 30
Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met		
	35	40 45
Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu		
	50	55 60
Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr		
65	70	75 80
Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys		
	85	90 95

Ala Arg

<210> 54  
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 <213> Homo sapiens

<400> 54  
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Page 11 of 29

1	5	10	15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Tyr Gly	20	25	30
Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu Gly Trp	35	40	45
Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu Gln Gly	50	55	60
Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu	65	70	75
Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg	85	90	95

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<400> 55

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Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val	50	55	60	
Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr	65	70	75	80
Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln	85	90	95	
Tyr Tyr Ser Thr Pro	100			

<210> 56

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Page 12 of 29

<211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 56  
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 1 5 10 15  
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 Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Pro  
 35 40 45  
 Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val Pro  
 50 55 60  
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser  
 65 70 75 80  
 Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln Tyr Tyr Ser  
 85 90 95  
 Thr Pro

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 1 5 10 15  
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 20 25 30  
 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
 35 40 45  
 Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
 50 55 60  
 Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
 65 70 75 80

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Page 13 of 29

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95  
Cys Ala Arg

<210> 58  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 58  
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20 25 30  
Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45  
Gly Tyr Ile Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys Ser  
50 55 60  
Arg Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys  
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85 90 95

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<213> Homo sapiens

<400> 59  
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15  
Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr  
20 25 30  
Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
35 40 45

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DOCKET NO. ABGENIX.030C1

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

**PATENT NO.** : 7,090,844  
**APPLICATION NO.** : 10/660,357  
**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 14 of 29

```

Tyr Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly
  50                      55                      60
Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro
  65                      70                      75                      80
Glu Asp Ile Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Asn Leu Pro
                      85                      90                      95
  
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<210> 60  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

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<400> 60
Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
  1                      5                      10                      15
Asp Arg Val Thr Ile Thr Cys Gln Ala Ser Gln Asp Ile Asn Tyr Leu
                20                      25                      30
Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr
  35                      40                      45
Asp Ala Ser Asn Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser
  50                      55                      60
Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Leu Gln Pro Glu Asp
  65                      70                      75                      80
Ile Ala Thr Tyr Tyr Cys Gln Gln Tyr Asp Leu Pro
                85                      90
  
```

<210> 61  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

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<400> 61
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
  1                      5                      10                      15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
  
```

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 15 of 29

20		25		30
Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val				
35		40		45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val				
50		55		60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr				
65		70		75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys				
85		90		95
Ala Arg				

<210> 62  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 62		<400> 62		<400> 62
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg				
1		5		10
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr				
20		25		30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val				
35		40		45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val				
50		55		60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr				
65		70		75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys				
85		90		95
Ala Arg				

<210> 63

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**APPLICATION NO.** : 10/660,357  
**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 16 of 29

<211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 63  
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
 1 5 10 15  
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr  
 20 25 30  
 Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile  
 35 40 45  
 Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
 50 55 60  
 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
 65 70 75 80  
 Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro  
 85 90 95

<210> 64  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<400> 64  
 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
 1 5 10 15  
 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Asn Tyr Leu  
 20 25 30  
 Ala Trp Tyr Gln Gln Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala  
 35 40 45  
 Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly  
 50 55 60  
 Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp  
 65 70 75 80  
 Val Ala Thr Tyr Tyr Cys Gln Lys Phe Ser Pro  
 85 90

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ISSUE DATE : August 15, 2006  
INVENTOR(S) : Bar-Eli et al.

Page 17 of 29

<210> 65  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 65  
Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45  
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65 70 75 80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95  
Cys Ala Arg

<210> 66  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 66  
Gln Val Gln Leu Ser Gly Pro Gly Leu Val Lys Pro Ser Thr Leu Ser  
1 5 10 15  
Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Tyr His Trp  
20 25 30  
Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr  
35 40 45  
Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser Leu Lys Ser Arg

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 18 of 29

50	55	60
Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu		
65	70	75 80
Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg		
85	90	95

<210> 67  
 <211> 107  
 <212> PRT  
 <213> Homo sapiens

<400> 67

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly		
1	5	10 15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn		
20	25	30
Phe Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile		
35	40	45
Phe Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly		
50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser		
65	70	75 80
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro Arg		
85	90	95
Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys		
100	105	

<210> 68  
 <211> 93  
 <212> PRT  
 <213> Homo sapiens

<400> 68

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly
---

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 19 of 29

1	5	10	15
Glu Arg Ala Thr	Leu Ser Cys Arg Ala	Ser Gln Ser Ile	Ser Asn Ala
	20	25	30
Trp Tyr Gln Gln	Lys Pro Gly Gln Ala	Pro Arg Leu Leu	Ile Phe Gly
	35	40	45
Ala Ser Thr Arg	Ala Thr Gly Ile Pro	Ala Arg Phe Ser	Gly Ser Gly
	50	55	60
Ser Gly Thr Glu	Phe Thr Leu Thr Ile	Ser Ser Leu Gln Ser	Glu Asp
65	70	75	80
Phe Ala Val Tyr	Tyr Cys Gln Gln Tyr	Asn Asn Trp Pro	
	85	90	

<210> 69  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 69

Gln Val Gln Leu	Gln Glu Ser Gly Pro	Gly Leu Val Lys	Pro Ser Glu
1	5	10	15
Thr Leu Ser Leu	Thr Cys Thr Val Ser	Gly Gly Ser Ile	Ser Ser Tyr
	20	25	30
Tyr Trp Ser Trp	Ile Arg Gln Pro	Gly Lys Gly Leu	Glu Trp Ile
	35	40	45
Gly Tyr Ile Tyr	Tyr Ser Gly Ser Thr	Asn Tyr Asn Pro	Ser Leu Lys
	50	55	60
Ser Arg Val Thr	Ile Ser Val Asp Thr	Ser Lys Asn Gln	Phe Ser Leu
65	70	75	80
Lys Leu Ser Ser	Val Thr Ala Ala Asp	Thr Ala Val Tyr	Tyr Cys Ala
	85	90	95

Arg

<210> 70

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 20 of 29

<211> 94  
 <212> PRT  
 <213> Homo sapiens

<400> 70  
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
 1 5 10 15  
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Tyr  
 20 25 30  
 Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
 35 40 45  
 Gly Tyr Ile Tyr Tyr Ser Gly Thr Tyr Asn Pro Ser Leu Lys Ser Arg  
 50 55 60  
 Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu  
 65 70 75 80  
 Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
 85 90

<210> 71  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<400> 71  
 Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly  
 1 5 10 15  
 Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser  
 20 25 30  
 Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser  
 35 40 45  
 Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro  
 50 55 60  
 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile  
 65 70 75 80  
 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala  
 85 90 95

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 21 of 29

Leu Gln Thr Pro  
 100

<210> 72  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 72  
 Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Pro Gly Glu  
 1 5 10 15  
 Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu Ser Asn Gly  
 20 25 30  
 Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu  
 35 40 45  
 Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro Asp Arg Phe  
 50 55 60  
 Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val  
 65 70 75 80  
 Glu Ala Asp Asp Val Gly Ile Tyr Tyr Cys Met Gln Ala Leu Gln Pro  
 85 90 95

<210> 73  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 73  
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
 1 5 10 15  
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
 20 25 30  
 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
 35 40 45  
 Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
 50 55 60  
 Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 22 of 29

65	70	75	80
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr	85	90	95
Cys Ala Arg			

<210> 74  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 74			
Gln Val Gln Leu Ser Gly Pro Gly Leu Val Lys Pro Ser Thr Leu Ser			
1	5	10	15
Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly Tyr His Trp			
	20	25	30
Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr			
	35	40	45
Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser Leu Lys Ser Arg			
	50	55	60
Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu Lys Leu			
65	70	75	80
Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg			
	85	90	95

<210> 75  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 75			
Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly			
1	5	10	15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn			

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**INVENTOR(S)** : Bar-Eli et al.

Page 23 of 29

20	25	30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile		
35	40	45
Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly		
50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser		
65	70	75
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro		
85	90	95

<210> 76  
 <211> 93  
 <212> PRT  
 <213> Homo sapiens

<400> 76  
 Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly  
 1 5 10 15  
 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Ile Ser Asn Ala  
 20 25 30  
 Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Phe Gly  
 35 40 45  
 Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly  
 50 55 60  
 Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp  
 65 70 75 80  
 Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro  
 85 90

<210> 77  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

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ISSUE DATE : August 15, 2006  
INVENTOR(S) : Bar-Eli et al.

Page 24 of 29

<400> 77

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45  
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65 70 75 80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95  
Cys Ala Arg

<210> 78

<211> 98

<212> PRT

<213> Homo sapiens

<400> 78

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Tyr His Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp  
35 40 45  
Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu  
50 55 60  
Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser  
65 70 75 80  
Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

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PATENT NO. : 7,090,844  
APPLICATION NO. : 10/660,357  
ISSUE DATE : August 15, 2006  
INVENTOR(S) : Bar-Eli et al.

Page 25 of 29

Ala Arg

<210> 79

<211> 95

<212> PRT

<213> Homo sapiens

<400> 79

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Ser	Asn
			20					25				30			
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile
		35				40					45				
Tyr	Gly	Ala	Ser	Thr	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly
	50				55				60						
Ser	Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser
65					70				75					80	
Glu	Asp	Phe	Ala	Val	Tyr	Tyr	Cys	Gln	Gln	Tyr	Asn	Asn	Trp	Pro	
				85					90					95	

<210> 80

<211> 105

<212> PRT

<213> Homo sapiens

<400> 80

Glu	Ile	Val	Met	Thr	Gln	Ser	Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly
1				5					10					15	
Glu	Arg	Ala	Thr	Leu	Ser	Cys	Arg	Ala	Ser	Gln	Ser	Val	Ser	Asn	Leu
			20					25				30			
Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Ile	Tyr
		35				40					45				
Gly	Ala	Ser	Thr	Arg	Ala	Thr	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly	Ser
	50				55				60						
Gly	Ser	Gly	Thr	Glu	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser	Glu

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**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 26 of 29

65	70	75	80
Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro Trp Gly			
	85	90	95
Gln Gly Thr Leu Val Thr Val Ser Ser			
	100	105	

<210> 81  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<400> 81  
 Gln Val Gln Leu Glu Gln Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
 1 5 10 15  
 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
 20 25 30  
 Thr Tyr His Trp Ser Trp Ile Arg Gln His Pro Gly Arg Gly Leu Glu  
 35 40 45  
 Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr His Asn Pro Ser  
 50 55 60  
 Leu Lys Ser Arg Ile Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
 65 70 75 80  
 Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
 85 90 95  
 Cys Ala Arg Gly Gly Asp Gly Tyr Arg Tyr  
 100 105

<210> 82  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 82  
 Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly

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ISSUE DATE : August 15, 2006  
INVENTOR(S) : Bar-Eli et al.

Page 27 of 29

1	5	10	15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn			
	20	25	30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile			
	35	40	45
Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly			
	50	55	60
Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser			
65	70	75	80
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro			
	85	90	95

<210> 83  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide primer sequence

<400> 83  
atattacgaa ttcaacttgcg tctcgccctc cgg 33

<210> 84  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide primer sequence

<400> 84  
cagcttagag ctacccggct ctccggctcc ggca 34

<210> 85

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DOCKET NO. ABGENIX.030C1

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

**PATENT NO.** : 7,090,844  
**APPLICATION NO.** : 10/660,357  
**ISSUE DATE** : August 15, 2006  
**INVENTOR(S)** : Bar-Eli et al.

Page 28 of 29

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Page 29 of 29

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11--

In Col. 58, line 21, claim 15, please delete "9, 13," and insert --9, 13--, therefor.

5473563; 060408

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